



**C-9 and C-11 Impoundments
Broward County
Water Preserve Area Projects**

**WATER RESOURCES ADVISORY
COMMISSION (WRAC)**

July 6, 2006

Proposed Revisions to the Long-Term Plan

Jeff Needle



Briefing Purpose

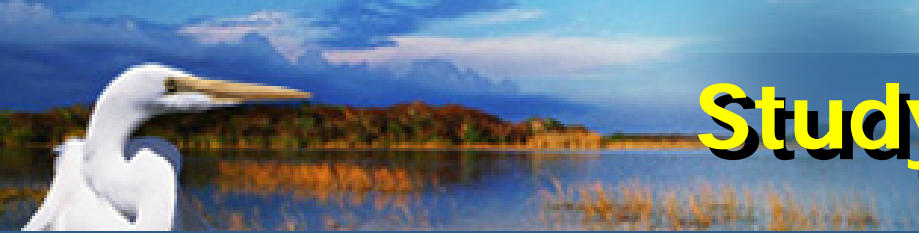
- To advise the Long-Term Plan stakeholders of the proposed revision to the Long-Term Plan to include the C-9 and C-11 Impoundment CERP components
- To provide a brief overview of the project, project budget, schedule and costs

C-9 and C-11 Impoundments

Project Purpose

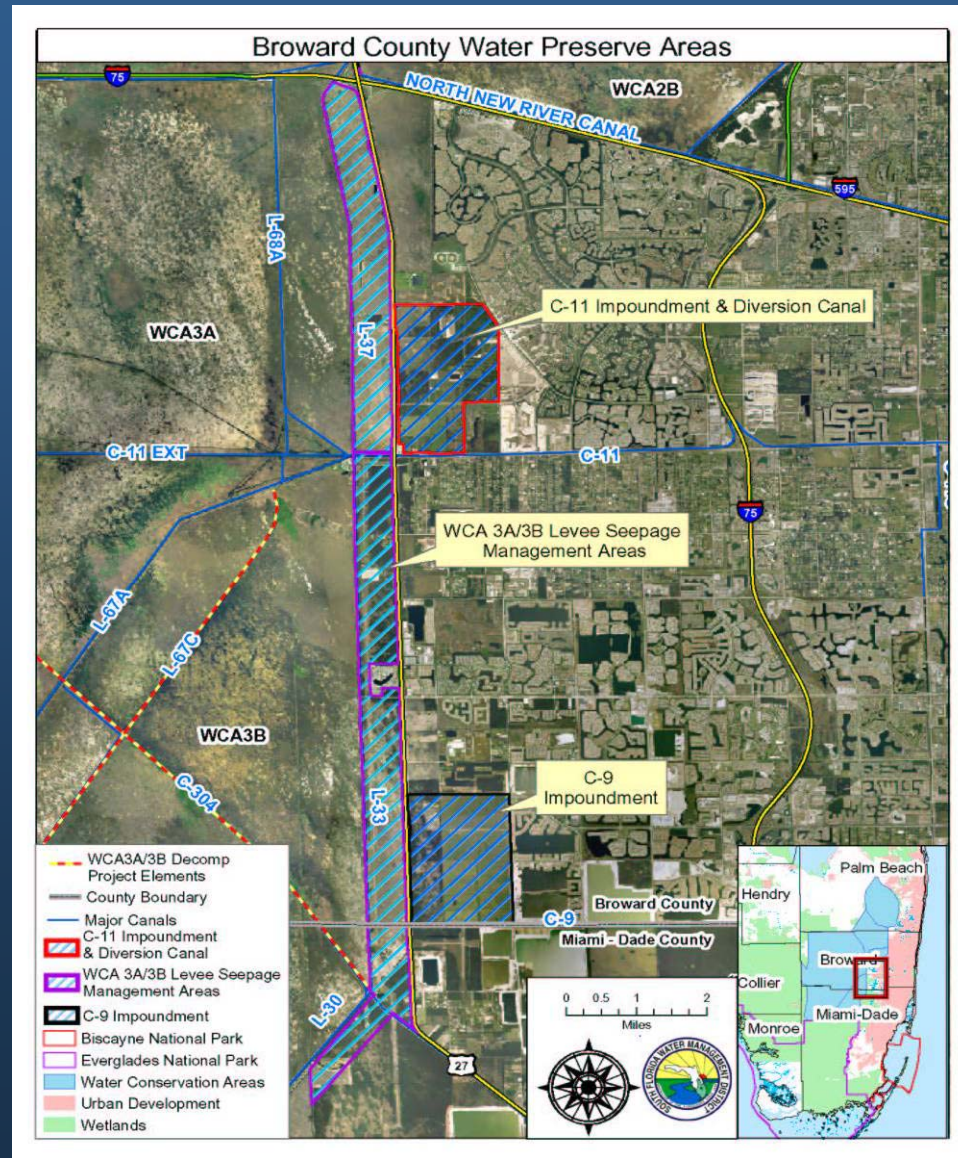


- Diverting, capturing and redistributing stormwater runoff previously discharged to WCA 3 in order to reduce nutrient loads to the Everglades Protection Area



Study Area

- Eastern reaches of Water Conservation Areas (3A and 3B)
- City of Weston, Town of Davie, Cooper City, City of Miramar, Town of Southwest Ranches and City of Pembroke Pines





Recommended Plan

The Project includes the following features:

- **C-9 Impoundment: 1,739 acres, 4 ft deep**
- **C-11 Impoundment: 1,695 acres**
 - Compartment “A” 1,490 acres, 4 ft deep**
 - Compartment “B” 205 acres, 2 ft deep**
- **Diversion Canal: +/- 7 miles of US 27 canal improved**



Project Costs – Recommended Plan

C-9 and C-11 Impoundments

- Pre-Construction Engineering Design (PED): \$ 15,500,000
- Real Estate: \$166,000,000
- Construction: \$155,000,000
- Construction Mgt \$ 15,500,000

- *Total:* *\$352,000,000*



Status & Upcoming Schedule

PAST

- Draft Project Implementation Report/Environmental Impact Statement (PIR/EIS) out for public release: March 17, 2006
- Public Meeting: April 18, 2006
- Stakeholders meeting: April 19, 2006
- Working Group briefing: April 20, 2006
- Public comment period on Draft PIR/EIS closed: May 1, 2006
- BODR Critical Criteria meeting: May 22 & 23, 2006

PRESENT

- Team is updating PIR/EIS to current Guidance memo format
- Team is responding to public comments that have been received

FUTURE

- A8 EIS scheduled for completion: June 2006
- Final PIR/EIS scheduled for completion: December 2006



Proposed Revision to Long-Term Plan

- C-9 and C11 project goals are consistent with Long-Term Plan goals
- Integrating with Long-Term Plan consistent with F.S. 373.4592 (3)(c)(EFA)
 - *implementation of the Long-Term Plan shall be integrated and consistent with the implementation of the projects and activities in the Congressionally authorized components of the CERP so that unnecessary and duplicative costs will be avoided*
- Adding to Long-Term Plan will provide dedicated funding source



Acceler8 Approach

- Develop Broward County WPA PIR option using latest site data
 - Incorporating recommendations from Burns & McDonnell February 2006 study
- Optimize retained water depth comparing embankment height vs. seepage quantity
- Refine pumping quantities based on further modeling
- Include value engineering



Questions?

